

Amendments to the Claims

The listing of claims will replace the previous version, and the listing of claims.

Listing of Claims

1. (currently amended) A gas chromatograph with a fluid control assembly for controlling flow and pressure of gas, said fluid control assembly comprising:

a flow path,

a control valve situated in the flow path and being capable of adjusting an opening degree thereof,

a flow resistance provided in the flow path at a downstream side of the control valve,

a sample introducing part provided in the flow path at a downstream side of the flow resistance,

first pressure detecting means attached to the flow path between the control valve and the flow resistance for detecting a pressure thereat,

second pressure detecting means attached to the flow path between the flow resistance and the sample introducing part for detecting a pressure thereat, and

control means attached to the control valve and the first and second pressure detecting means for carrying out a predetermined calculation based on signals from the first and second pressure detecting means for controlling the opening degree of the control valve so that flow amount ~~or~~ and pressure in the flow path can be controlled at a predetermined value ~~by~~ based on the first and second pressure detecting means,

wherein said flow amount is calculated based on a value of the second pressure detecting means and a differential pressure value between the first and second pressure detecting means, and the flow pressure is obtained from the second pressure detecting means.

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2-7. (canceled)